1. **Find the least number which when divided by 2, 3, 4 and 5 leaves a remainder 3. But when divided by 9 leaves no remainder?**
   a) 33
   b) 63
   c) 81
   d) 123
   e) None of these

   Answer & Explanation

2. **Find the 4-digit smallest number which when divided by 12, 15, 25, 30 leaves no remainder?**
   a) 1020
   b) 1120
   c) 1200
   d) 1800
   e) None of these

   Answer & Explanation

3. **Find the least number which when divided by 12, 27 and 35 leaves 6 as a remainder?**
   a) 3774
   b) 3780

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c) 3786
d) 4786
e) None of these

Answer & Explanation

4. **The HCF and LCM of two numbers is 84 and 840 respectively. If the first number is 168, find the second one**
a) 420
b) 360
c) 210
d) 480
e) None of these

Answer & Explanation

5. **Find the last number which when divided by 6, 8, 15 and 30 leaves remainder 2, 4, 11 and 26 respectively?**
a) 124
b) 116
b) 120
d) 134
e) None of these

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

6. **HCF and LCM of two numbers is 5 and 275 respectively and the sum of these two numbers is 80. Find the sum of the reciprocals of these numbers**

a) 16/125

b) 32/275

c) 32/125

d) 16/275

e) None of these

Answer & Explanation

7. **Three buckets contains balloons filled with water. First bucket contains 243 balloons. Second contains 304 balloons and last bucket contains 127 balloons. Find the largest number of balloons that can be given equally to the children such that 3, 4 and 7 balloons are left in first, second and third bucket respectively?**

a) 20

b) 30

c) 40

d) 60

e) None of these

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

8. **Riya, Anil and Rishi start running around a circular stadium and complete one round in 15s, 12s and 21s respectively. In how much time will they meet again at the starting point?**

a) 6min

b) 7min

d) 8min

d) 9min

e) None of these

Answer & Explanation

9. **In a college all the students are made to stand in four rows. 4 rows contains 12, 8, 22, 30 students respectively. Find the least number of students in the college?**

a) 3360

b) 3630

c) 3960

d) 3990

e) None of these

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

10. **Find the greatest number that will divide 427 and 900 leaving the remainders 3 and 8 respectively?**

a) 2

b) 4

c) 8

d) 12

e) None of these

Answer & Explanation

1. **What is the HCF of 3/5, 7/10, 2/15, 6/21?**

A) 5/123

B) 6/121

C) 2/105

D) 1/210

E) None of these

Answer

2. **The HCF and LCM of two numbers is 84 and 840 respectively. If the first number is 168, find the second one.**

A) 210

B) 420

C) 225

D) 326

E) None of these

Answer

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3. **Sum of 2 numbers is 128 and their HCF is 8. How many numbers of pairs of numbers will satisfy this condition?**
   A) 2
   B) 5
   C) 3
   D) 6
   E) 4

Answer

4. **Find the least number exactly divisible by 10, 15, 18 and 30.**
   A) 85
   B) 90
   C) 88
   D) 93
   E) 105

Answer & Explanation

Note: The Information Provided here is only for reference. It May vary the Original.

5. **Find the least number which when divided by15, 21, 24 and 32 leaves the same remainder 2 in each case.**
   A) 3362
   B) 3360
   C) 3456
   D) 3266
   E) 3364

   Answer & Explanation

6. **Find the least number which when divided by 10, 15, 18 and 30 leaves remainders 6, 11, 14 and 26 respectively.**
   A) 72
   B) 86
   C) 85
   D) 90
   E) 94

   Answer & Explanation

7. **Find the smallest number of 4 digits which is exactly divisible by 12, 15, 21 and 30.**
   A) 1580
   B) 1420
   C) 1260

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D) 1056

E) None of these

Answer & Explanation

8. **Find the least number which when divided by 2, 5, 9 and 12 leaves a remainder 3 but leaves no remainder when same number is divided by 11.**

A) 281

B) 357

C) 360

D) 363

E) 224

Answer & Explanation

9. **HCF and LCM of two numbers is 5 and 275 respectively and the sum of these two numbers is 80. Find the sum of the reciprocals of these numbers.**

A) 15/242

B) 16/275

C) 32/221

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D) 20/268

E) None of these

Answer & Explanation

10. **The HCF and LCM of two numbers is 70 and 1050 respectively. If the first number is 210, find the second one.**

A) 450

B) 350

C) 510

D) 260

E) None of these

Answer & Explanation

1. **A rectangular courtyard 140cm long 525cm wide is to be paved exactly with square tiles, all of the same size. what is the largest size of the tile which could be used for the purpose?**

A)64cm

B)35cm

C)21cm

D)28cm

E)None of these

Answer & Solution

Note: The Information Provided here is only for reference. It May vary the Original.

2. **Two containers contain 50 and 125 litres of water respectively. Find the maximum capacity of a container which can measure the water in each container an exact number of times(in litres)**

A)25

B)11

C)12

D)15

E)None of these

Answer & Solution

3. **Two baskets contain 183 and 242 Apples respectively, which are distributed in equal number among children. Find the largest number of apples that can be given, so that 3 apples are left over from the first basket and 2 from the second.**

A)45

B)40

C)60

D)56

E)None of these

Answer & Solution

Note: The Information Provided here is only for reference. It May vary the Original.

4. **A person has 3 bars whose length are 12,16,24m respectively. He want to cuts the longest possible pieces, all of the same length from each of the 3 bars, what is the length of the each piece, if he is cut without any wastage**

A)12m

B)20m

C)6m

D)4m

E)None of these

Answer & Solution

5. **Four bells commence tolling together and toll at the intervals of 3,9,12,15 seconds resp. In 60 minutes how many times they will toll together.**

A)20

B)21

C)24

D)30

E)None of these

Answer & Solution

6. **In a seminar the number of participants in Technology, Economics and Science are 150, 90 and 180 respectively. Find the minimum number of rooms required, where in each room**

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the same number of participants are to be seated and all of them being in the same subject.

A)27

B)32

C)30

D)25

E)None of these

Answer & Solution

7. **Naren, Suraj and Praveen start running around a circular stadium and complete one round in 12s, 9s and 15s respectively. In how much time will they meet again at the starting point ?**

A)2m

B)2.30m

C)3m

D)3.30m

E)None of these

Answer & Solution

8. **Three boxes of lengths 60m,30m and 45m are to be cut into pieces of equal length. What is the greatest possible length of each pieces ?**

A)15m

B)18m

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C)5m
D)3m
E)None of these

Answer & Solution

9. **In a college, all the students can stand in a row, so that each row has 9, 7 and 12 students. Find the least no of students in the school ?**
A)145
B)265
C)186
D)252
E)None of these

Answer & Solution

10. **The HCF of 3 different no is 17, Which of the following cannot be their LCM ?**
A)540
B)289
C)340
D)425
E)None of these

Answer & Solution

1. **If the product of two numbers is 2496 and HCF is 8,then the ratio of HCF and LCM is**
A)1:32

B)39:1
C)1:39
D)4:63
E)None of these

Answer

2. **The greatest possible length which can be used to measure exactly the lengths 1m 92cm,3m 84cm ,23m 4cm**
A)23
B)32
C)36
D)34
E)None of these

Answer

3. **HCF of 4/3, 8/6, 36/63 and 20/42**
A)4/126
B)4/8
C)4/36

D)4/42

E)None of these

Answer

4. **Find the LCM of 3/8, 9/32, 33/48, 18/72**

A)3/8

B)8/33

C)198/8

D)8/3

E)None of these

Answer

5. **The HCF of 2511 and 3402 is**

A)31

B)42

C)76

D)81

E)None of these

Answer

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6. **A gardener had a number of shrubs to plant in rows. At first he tried to plant 8,then 12 and then 16 in a row but he had always 3 shrubs left with him. On trying 7 he had none left. Find the total number of shrubs.**

A)154

B)147

C)137

D)150

E)None of these

Answer

7 | 147

7 | 21

1

7. **If m and n are two whole numbers and if m^n= 49. Find n^m, given that n ≠ 1**

A)118

B)94

C)561

D)128

E)None of these

Answer

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8. **What will be the least number which when doubled will be exactly divisible by 12,18,21 and 30?**

A)630

B)360

C)603

D)306

E)None of these

Answer

9. **HCF and LCM of two numbers are 11 and 385 .If one number lies between 75 and 125 then that number is**

A)123

B)73

C)77

D)154

E)None of these

Answer

10. **If the L.C.M of x and y is z, their H.C.F is**

A)xy/z

B)xyz

Note: The Information Provided here is only for reference. It May vary the Original.

C)(x + y)/z
D)z/xy
E)None of these

Answer

1. **Six bells commence tolling together and toll at intervals of 2, 4, 6, 8, 10 and 12 seconds respectively. In 30 minutes, how many times do they toll together?**
A.8
B.11
C.13
D.16
E.None of these

Answer

2. **The least multiple of 7, which leaves a remainder of 4, when divided by 6, 9, 15 and 18 is:**
A.68
B.98
C.180
D.364
E.None of these

Answer

Note: The Information Provided here is only for reference. It May vary the Original.

3. **The least number, which when divided by 48, 60, 72, 108 and 140 leaves 38, 50, 62, 98 and 130 as remainders respectively, is:**

A.11115

B.15110

C.15130

D.15310

E.None of these

Answer

4. **The H.C.F. of two numbers is 11 and their L.C.M. is 7700. If one of the numbers is 275, then the other is:**

A.269

B.275

C.308

D.310

E.None of these

Answer

5. **A, B and C start at the same time in the same direction to run around a circular stadium. A completes a round in 252 seconds, B in 308 seconds and C in 198 seconds, all starting at the same point. After what time will they meet again at the starting point?**

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A.15 minutes 15 seconds
B.42 minutes 30 seconds
C.42 minutes
D.46 minutes 12 seconds
E.None of these

Answer

6. **The L.C.M. of two numbers is 48. The numbers are in the ratio 2 : 3. Then sum of the number is:**
A.30
B.22
C.40
D.60
E.None of these

Answer

7. **The least number, which when divided by 12, 15, 20 and 54 leaves in each case a remainder of 8 is:**
A.534
B.486
C.544
D.548
E.None of these

Note: The Information Provided here is only for reference. It May vary the Original.

Answer

8. **The product of two numbers is 4107. If the H.C.F. of these numbers is 37, then the greater number is:**

A.124

B.100

C.111

D.175

E.None of these

Answer

9. **The product of two numbers is 2028 and their H.C.F. is 13. The number of such pairs is:**

A.1

B.2

C.3

D.5

E.None of these

Answer

Note: The Information Provided here is only for reference. It May vary the Original.

10. **The least number which should be added to 2497 so that the sum is exactly divisible by 5, 6, 4 and 3 is:**

A.10

B.14

C.23

D.30

E.None of these

Answer

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